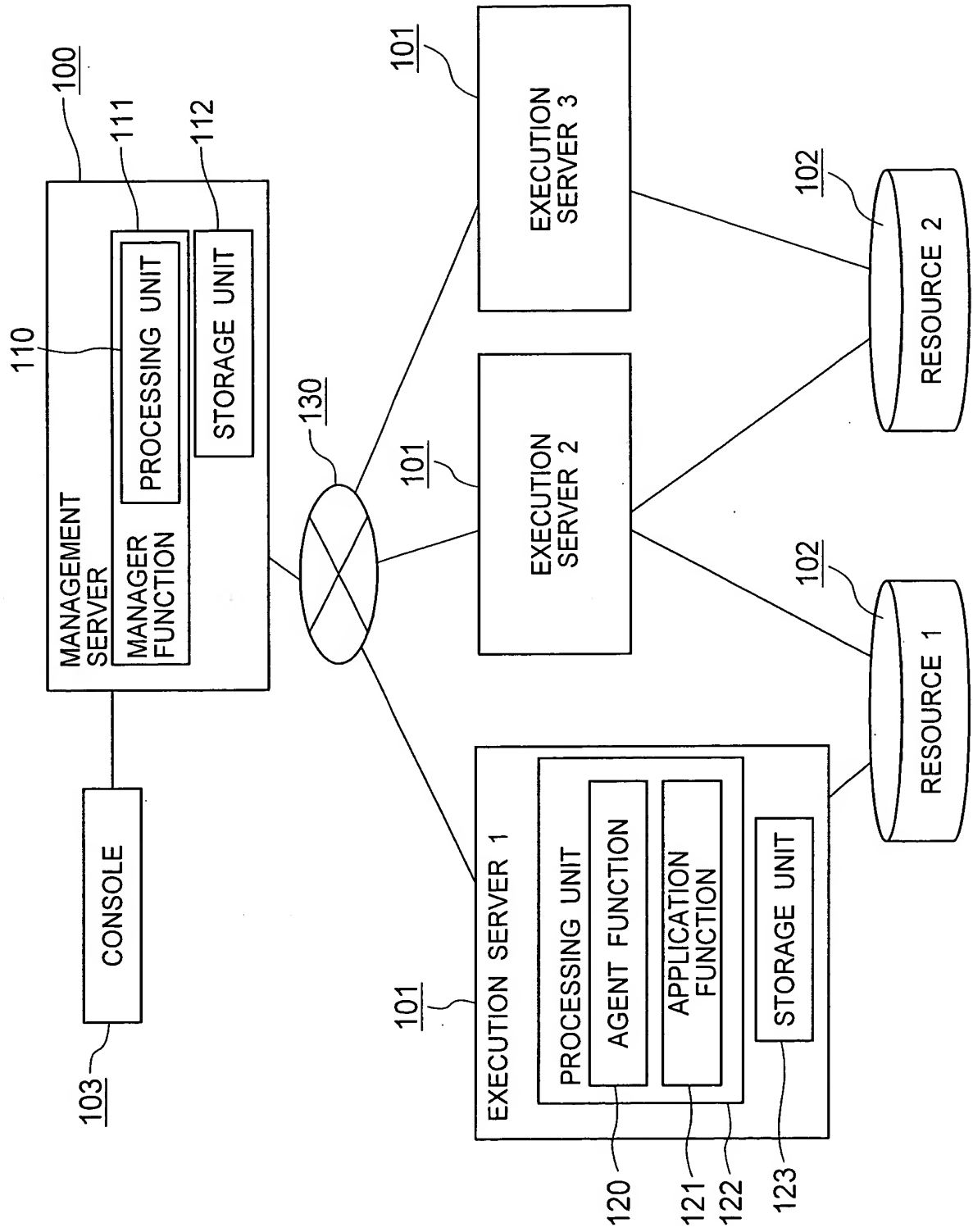
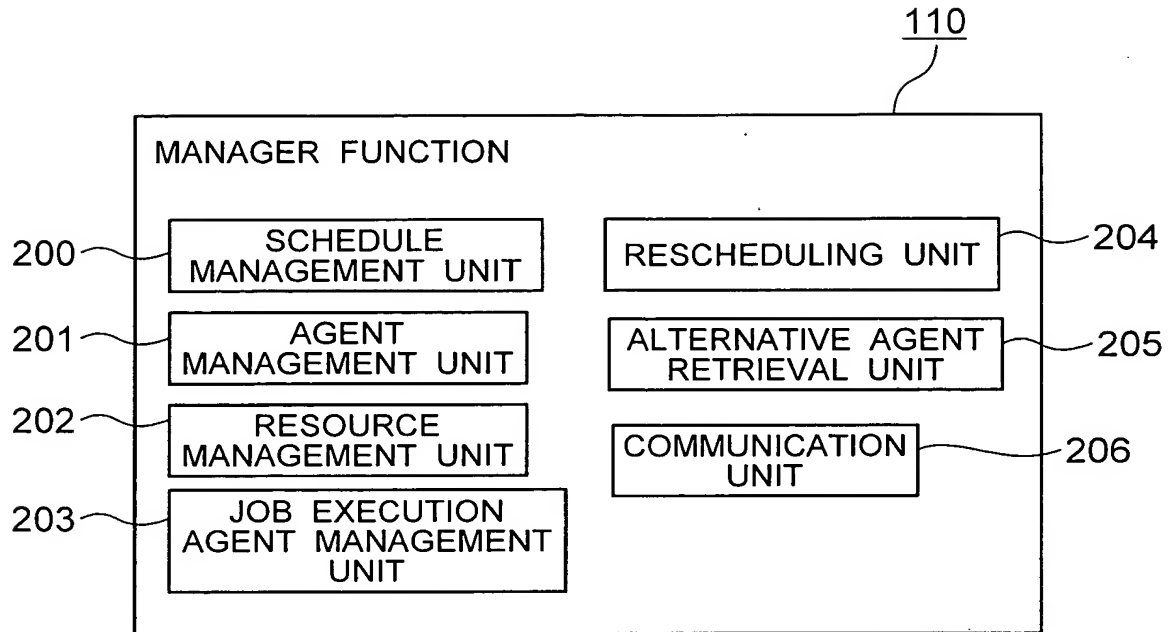


FIG. 1



# FIG. 2



# FIG. 3

SCHEDULE TABLE 300

301 EXECUTION START DATE AND TIME	302 FINAL END DATE AND TIME	303 MAXIMUM EXECUTION TIME	304 EXECUTION AGENT	305 EXECUTION JOB
2002/11/10 10:00:00	2002/11/10 10:00:00	01:00	AGENT 1	JOB 1
2002/11/10 23:00:00	2002/11/11 00:00:00	00:30	AGENT 2	JOB 2
WEDNESDAYS 12:00:00	.	02:00	AGENT 3	JOB 3
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.

# FIG. 4

JOB TABLE 400

JOB NAME 401	CONTENT OF EXECUTION 402	EXECUTION RESOURCE 403	MAXIMUM PERMISSIBLE COST 404	PRIORITY 405
JOB 1	CALCULATING PROCESS	CPU, MEMORY	10	A
JOB 2	BATCH PROCESS	CPU, MEMORY, DISK	20	B
JOB 3	DATABASE PROCESS	CPU, MEMORY, DATABASE APPLICATION PROGRAM, RESOURCE 2	70	A
JOB 4	DATABASE PROCESS	CPU, MEMORY, DATABASE APPLICATION PROGRAM, RESOURCE 1	30	C
· · ·	· · ·	· · ·	· · ·	· · ·

# FIG. 5

AGENT MANAGEMENT TABLE 500

AGENT NAME	EXECUTION SERVER
AGENT 1	EXECUTION SERVER 1
AGENT 2	EXECUTION SERVER 2
AGENT 3	EXECUTION SERVER 3
AGENT 4	EXECUTION SERVER 2
.	.
.	.
.	.

# FIG. 6

INTER-RESOURCE DISTANCE MANAGEMENT TABLE 600

			USING EXECUTION SERVER			
			EXECUTION SERVER 1	EXECUTION SERVER 2	EXECUTION SERVER 3	...
AVAILABLE RESOURCES	EXECUTION SERVER 1	CPU	5	—	—	
		MEMORY	5	—	—	
		DISK	5	15	—	
		DATABASE	10	20	—	
		...				
	EXECUTION SERVER 2	CPU	—	5	—	
		MEMORY	—	5	—	
		DISK	—	5	15	
		...				
	EXECUTION SERVER 3	CPU	—	—	10	
		MEMORY	—	—	5	
		DISK	15	20	10	
		DATABASE	15	30	10	
		...				
	RESOURCE 1	DISK	10	—	40	
	RESOURCE 2	DISK		20	40	
	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 7

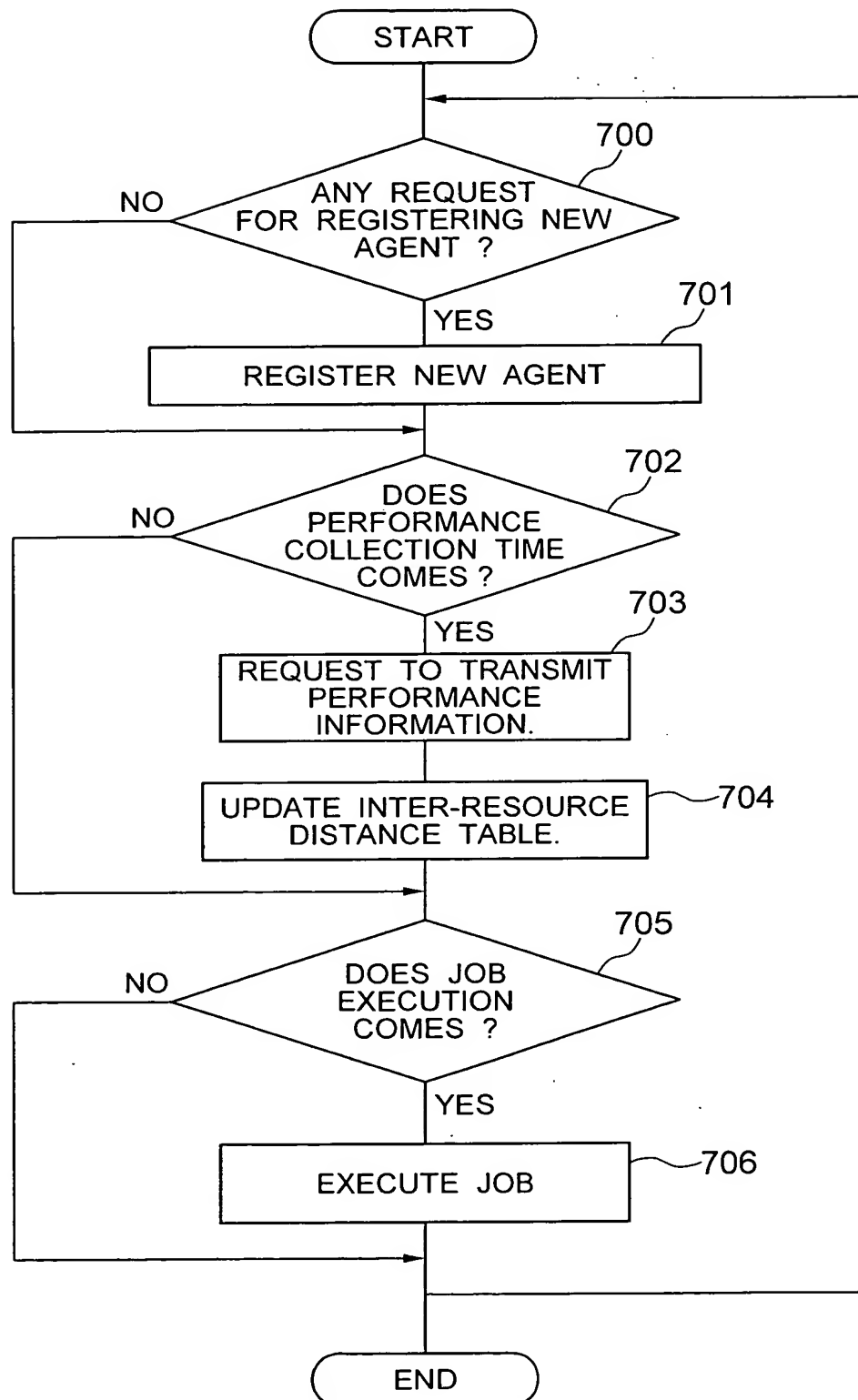
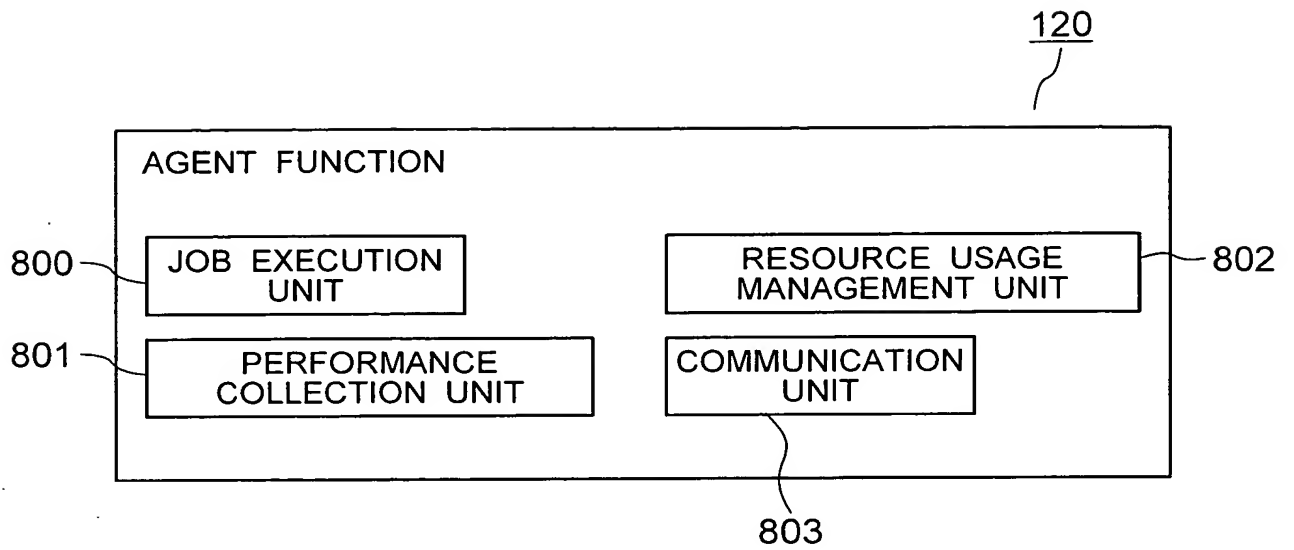


FIG. 8



# FIG. 9

## HISTORY PERFORMANCE TABLE 900

COLLECTION TIME	COLLECTION ITEM				AVERAGE QUERY PROCESSING TIME	...
	CPU USAGE RATE	USING MEMORY AMOUNT	EMPTY DISK AMOUNT	AVERAGE DISK PROCESSING TIME		
10:00:01	30%	200MB	1000MB	0.5ms	0.01ms	
10:00:02	23%	256MB	900MB	0.2ms	0.02ms	
10:00:03	10%	128MB	900MB	0.6ms	0.05ms	
11:00:00	40%	200MB	500MB	1.2ms	0.25ms	
11:00:01	14%	250MB	700MB	0.3ms	0.10ms	
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.



# FIG. 10

## RESOURCE RESTRICTION TABLE 1000

1001	1003	1002 THRESHOLD VALUE			
JOB	THRESHOLD VALUE EXCEEDING TIMES	CPU USAGE RATE	USING MEMORY AMOUNT	EMPTY DISK CAPACITY	...
JOB 1	2/3 TIME	50% OR MORE	384MB OR MORE	200MB OR LESS	
JOB 2	2/3 TIME	60% OR MORE	-	300MB	
JOB 3	1/1 TIME	80% OR MORE	-	-	
	:	:	:	:	:
	:	:	:	:	:
	:	:	:	:	:

FIG. 11

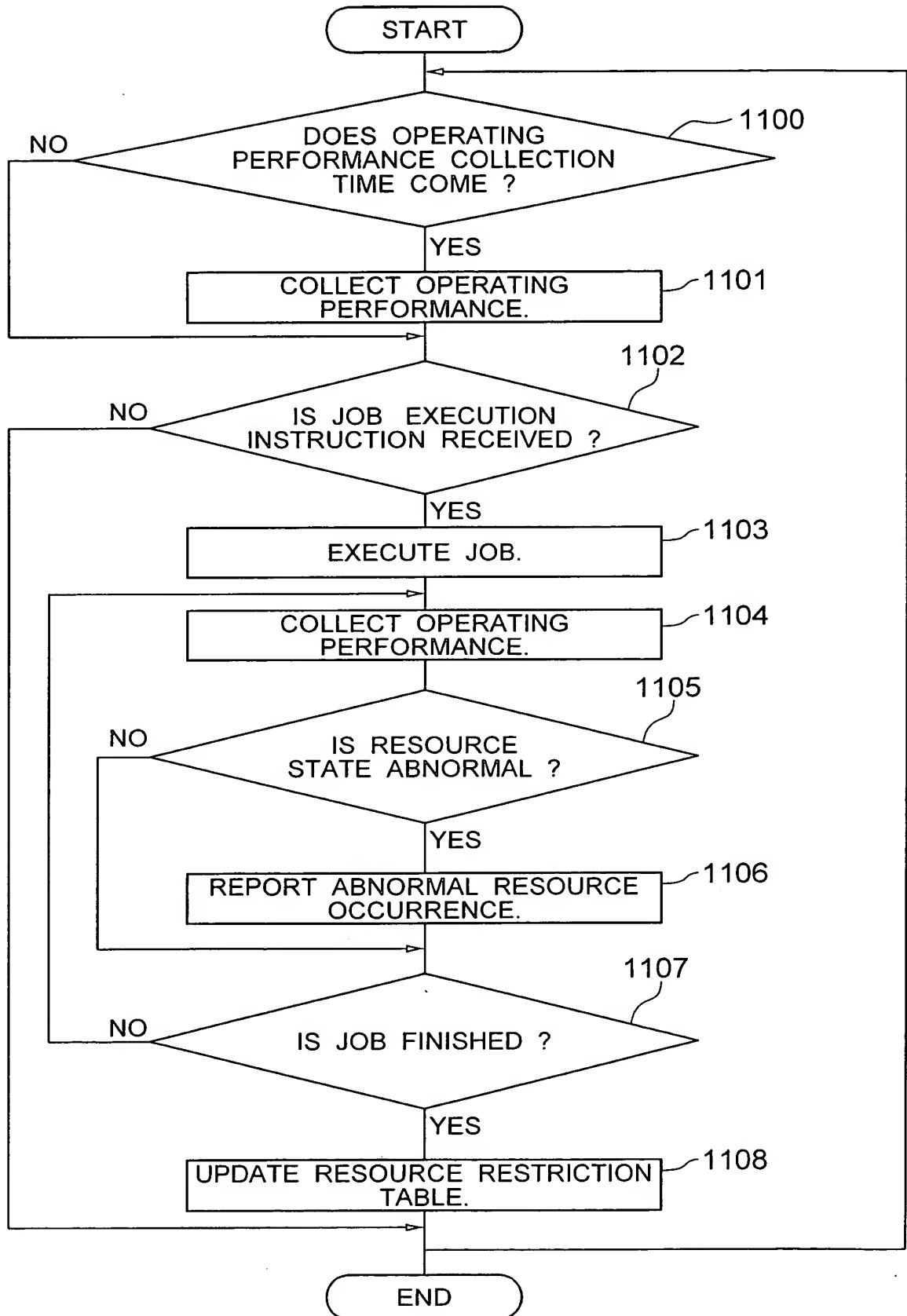


FIG. 12

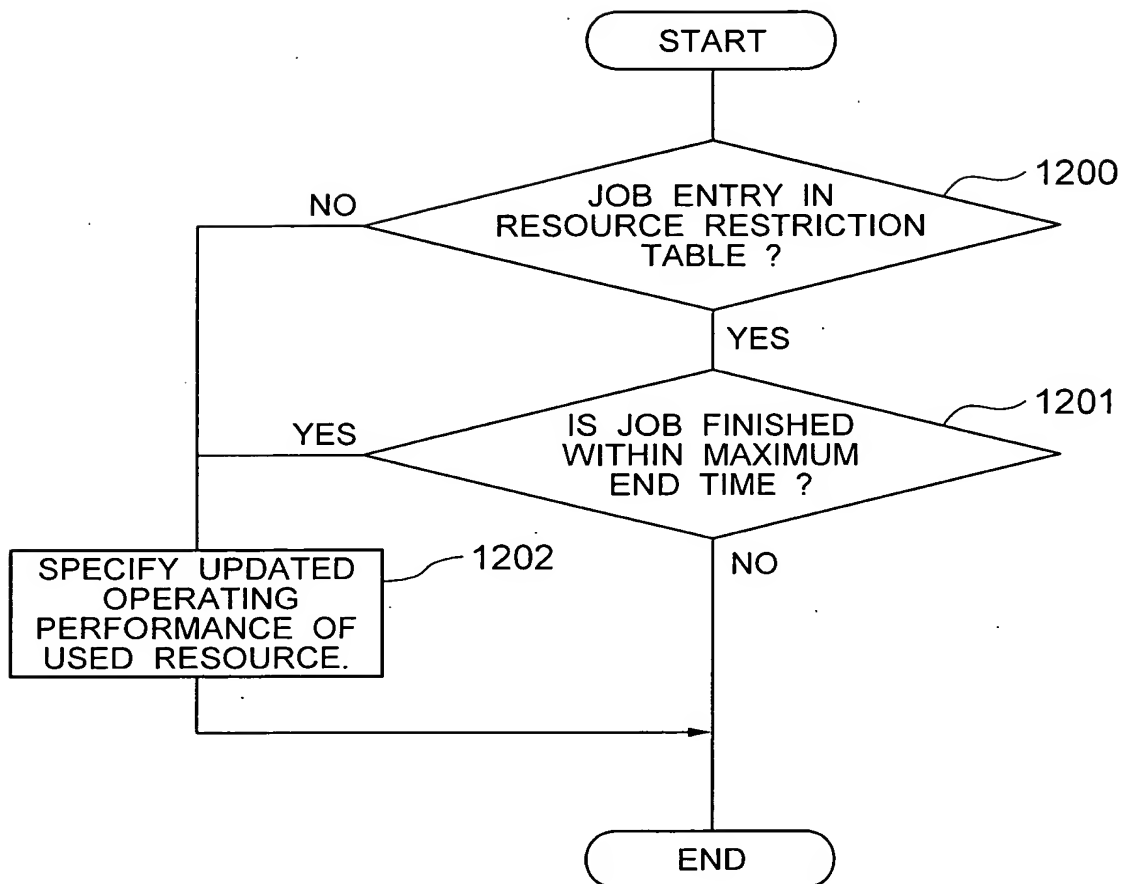


FIG. 13

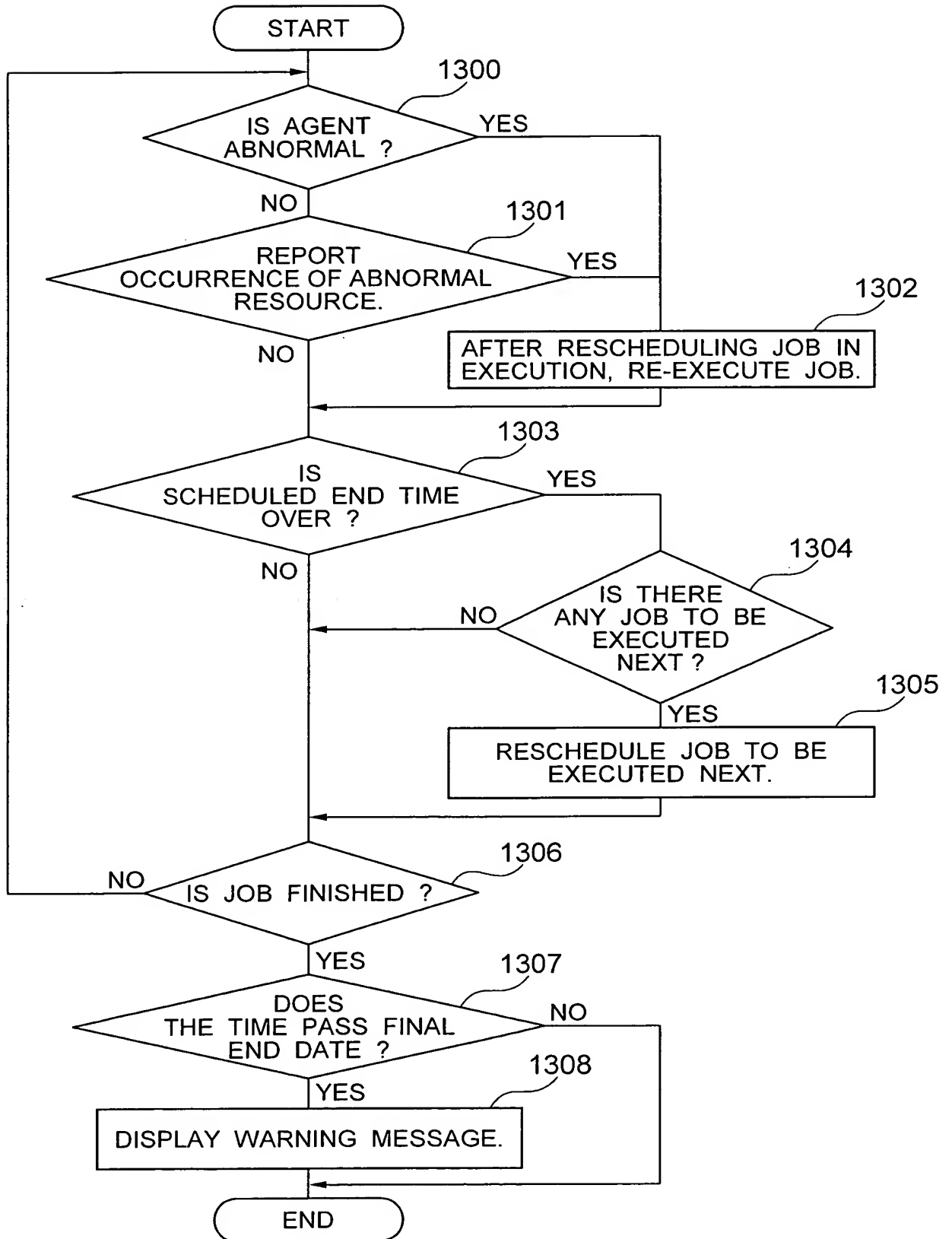


FIG. 14

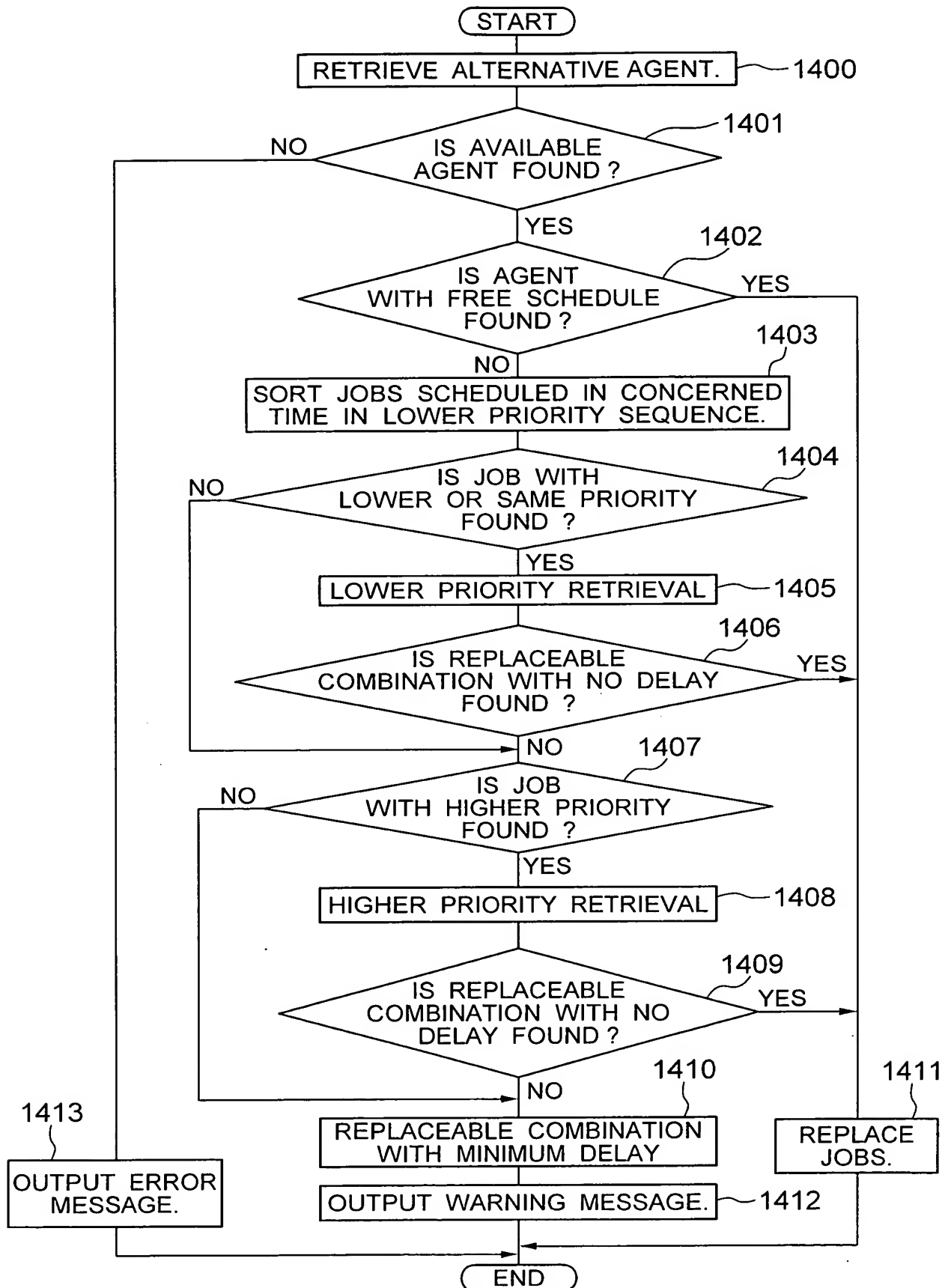


FIG. 15

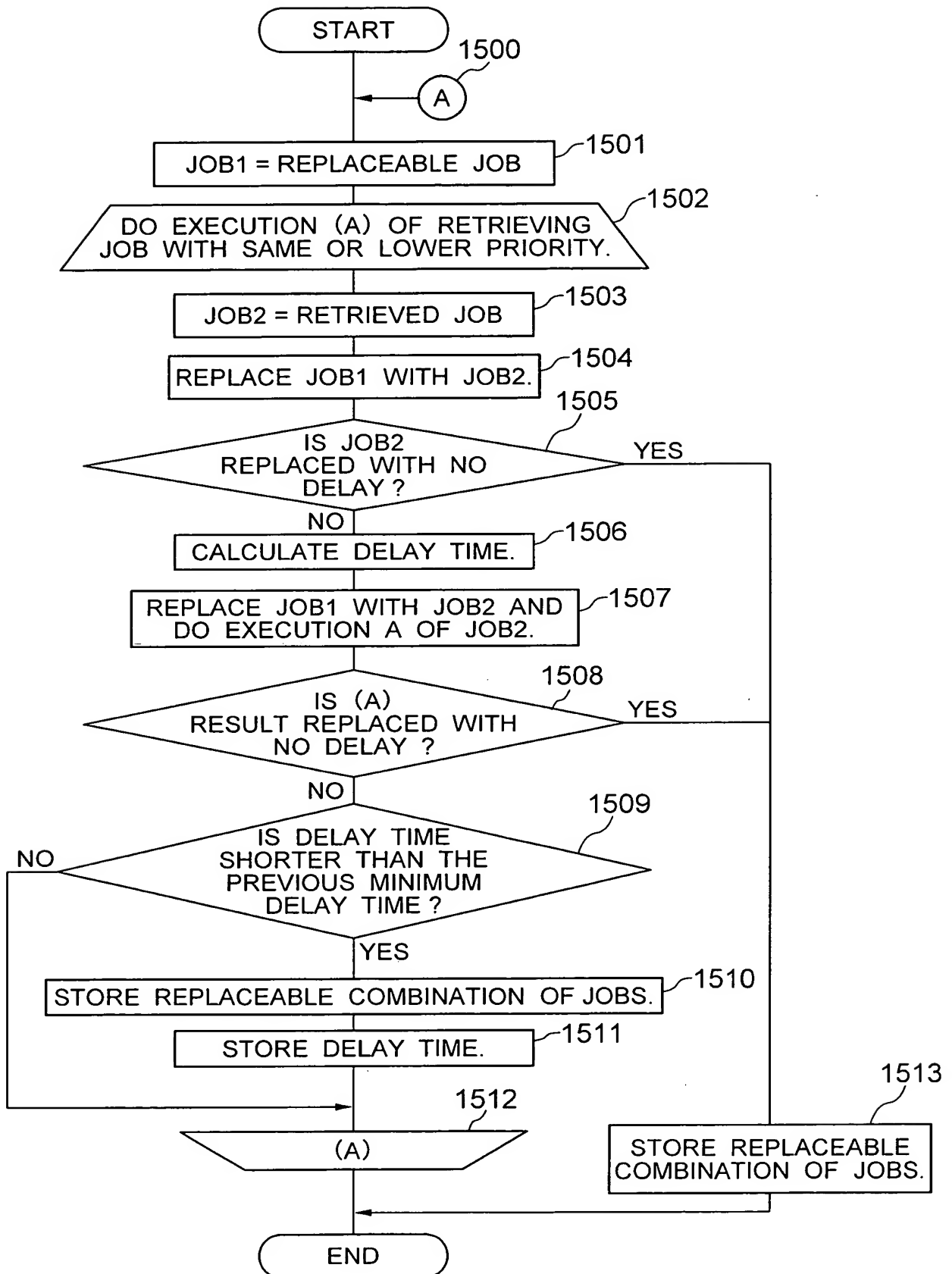


FIG. 16

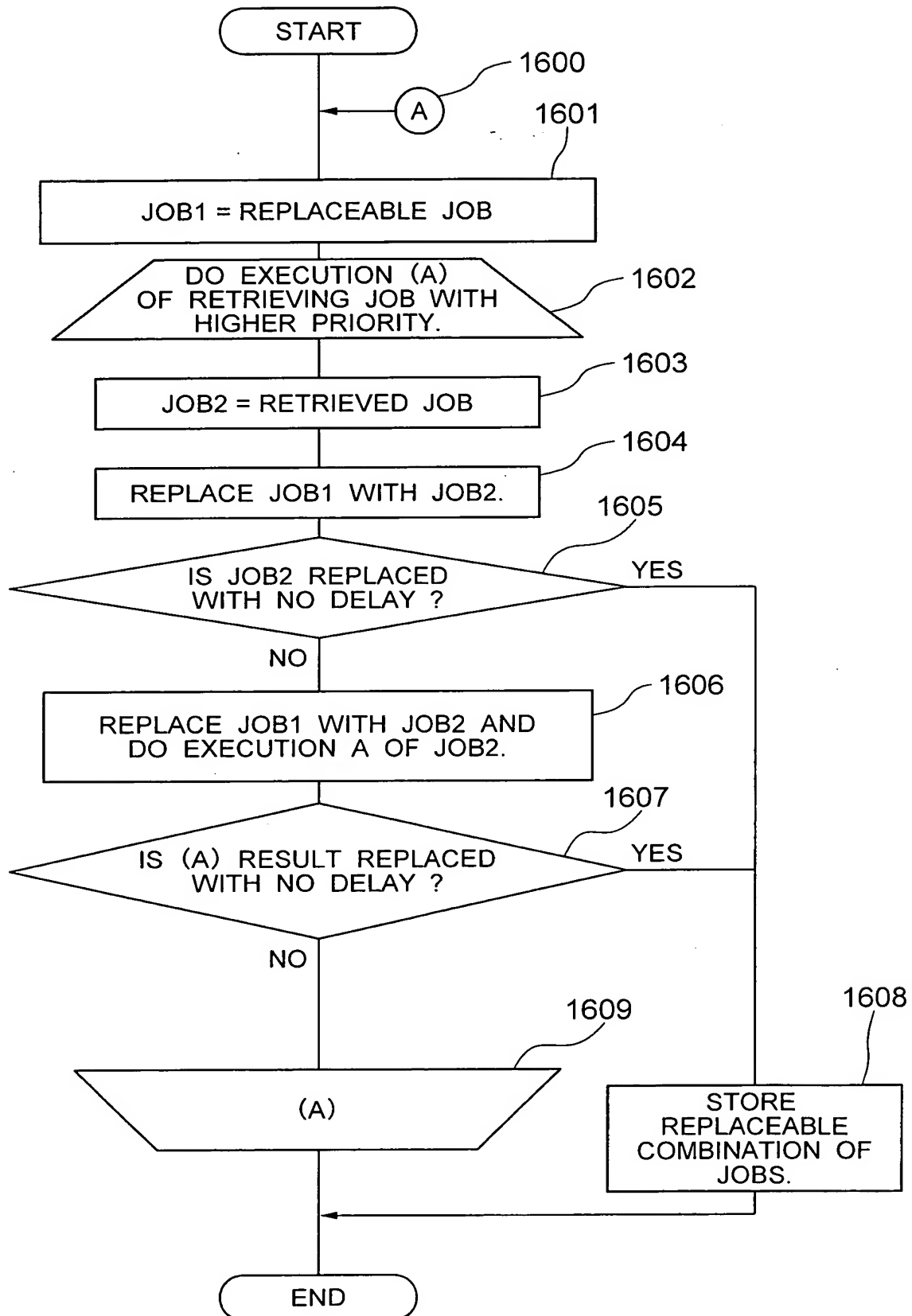


FIG. 17

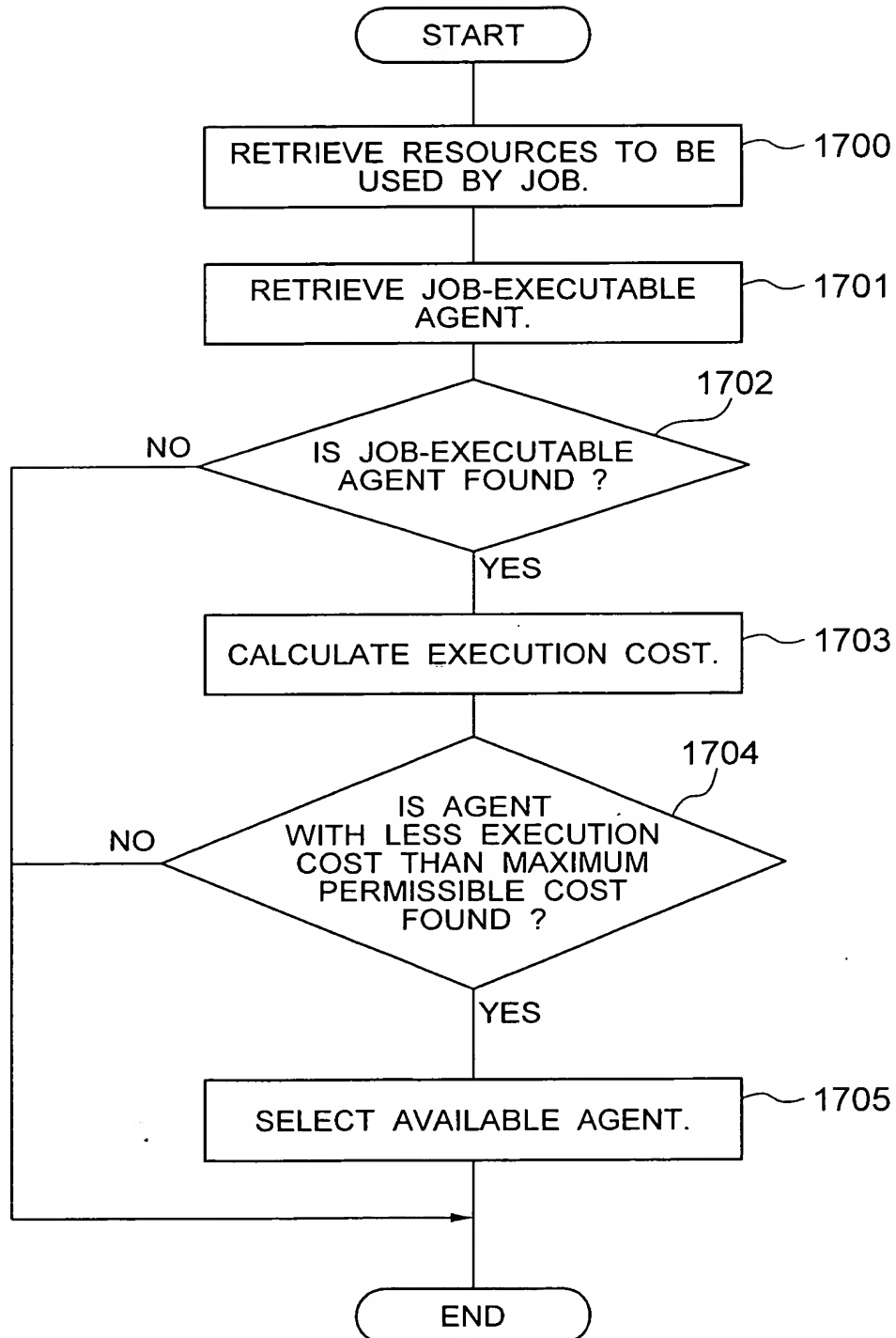




FIG. 18A

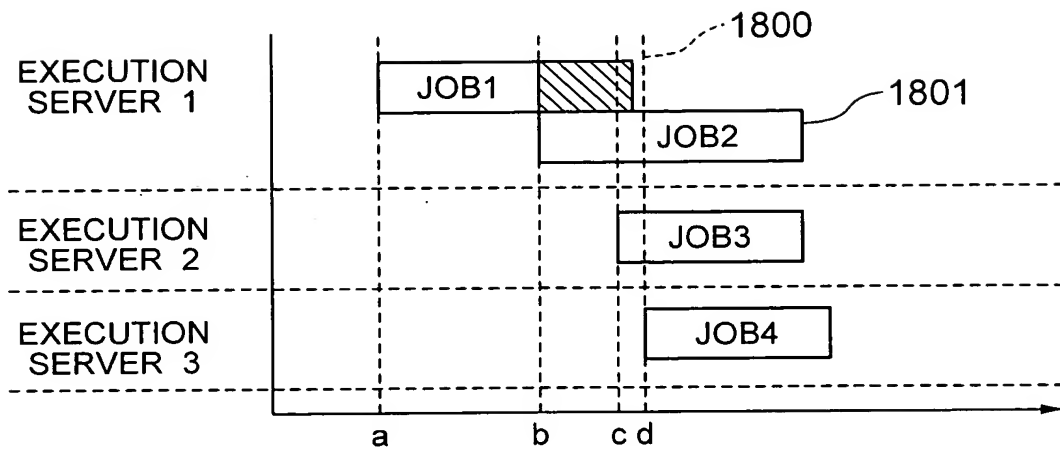


FIG. 18B

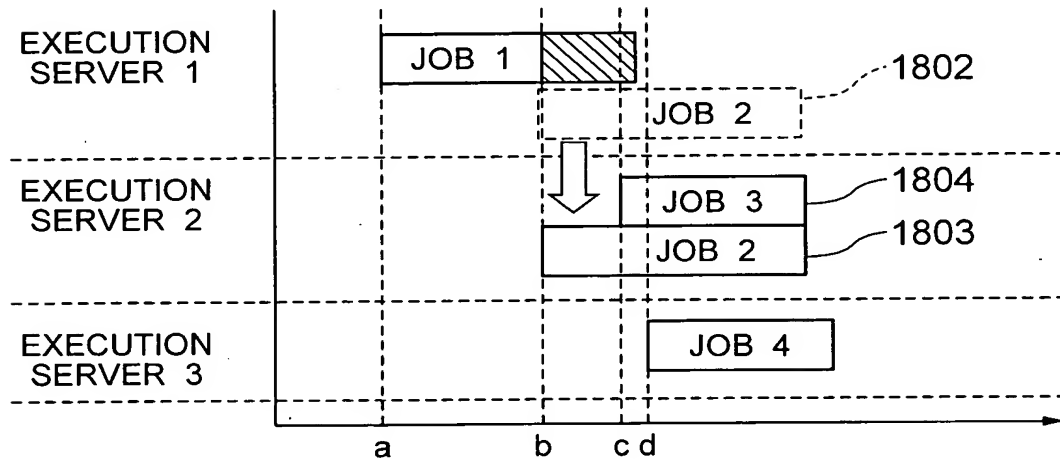
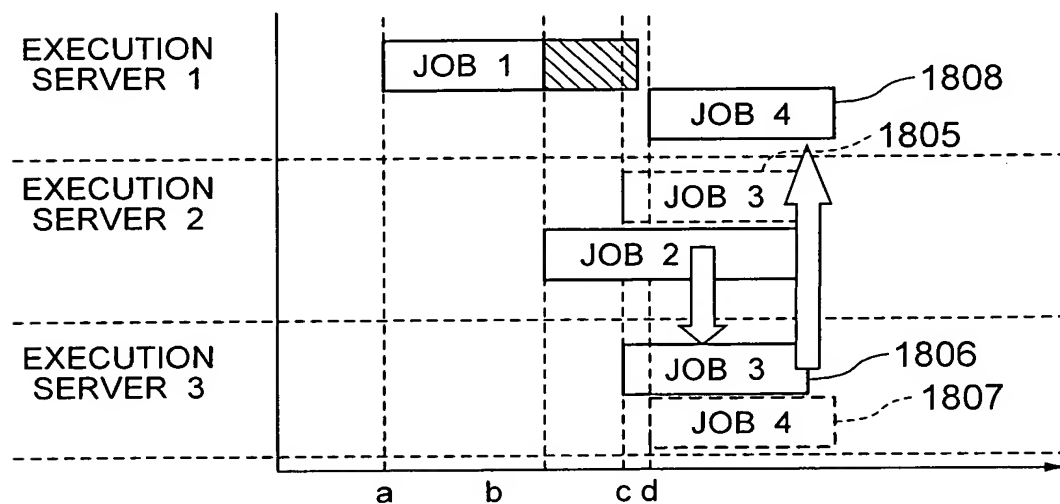
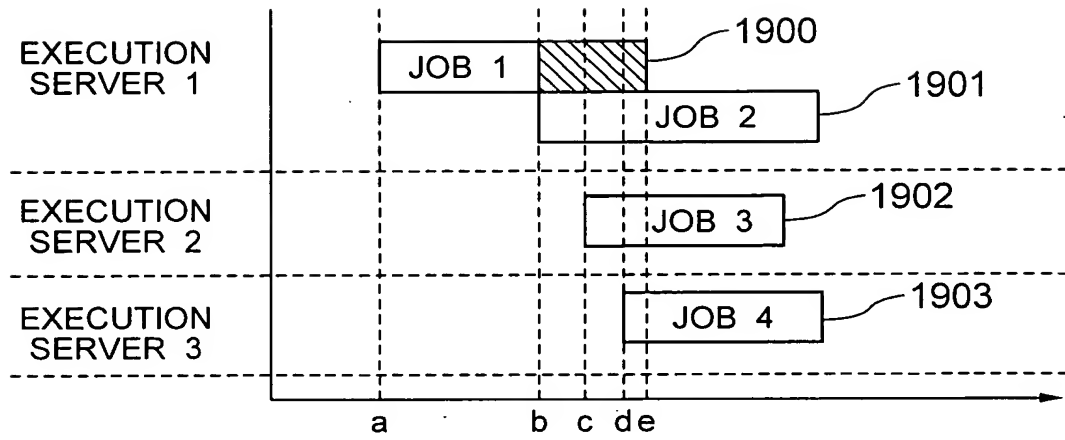


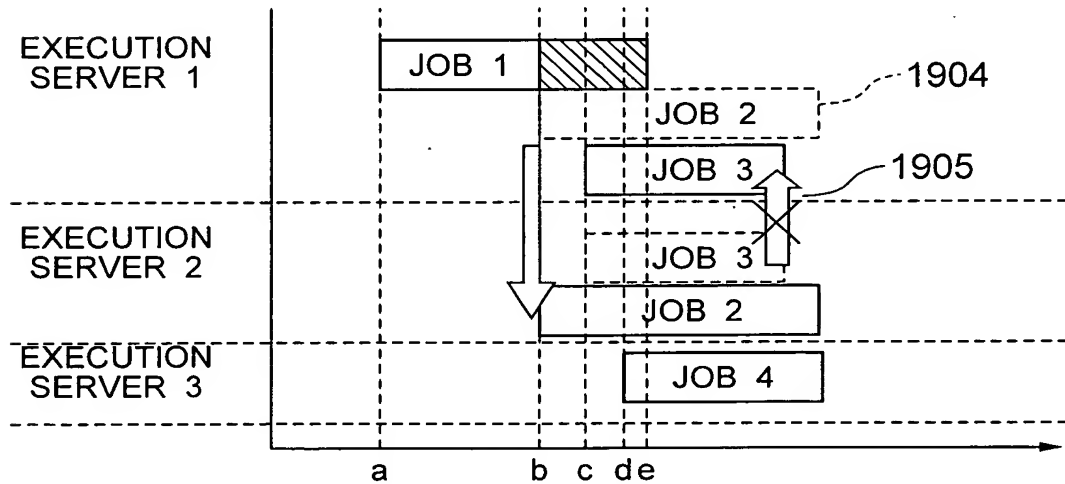
FIG. 18C



# FIG. 19A



# FIG. 19B



# FIG. 19C

